## Tamiami Trail Flow Formula (TTFF) - Target Flow from WCA-3A to ENP

Daily Target Flow for			1/4/2022	to	1/10/2022	1636	cfs
Observed Stage Data							
Station	Variable			on	12/31/2021	Value	Unit
WCA-3A (Average for Site 63, 64 and 65)	Average Daily Stage			•	12,02,2021		ft-NGVD29
NESRS2	Average Daily Stage						ft-NGVD29
Regulatory Stage WCA-3A	Average Daily Stage					10.50	ft-NGVD29
<b>Observed Flow Data</b>							
<u>Station</u>	<u>Variable</u>	From	12/25/2021	to	12/31/2021	<u>Value</u>	<u>Unit</u>
S-12A	7-day Average Daily Flow					0	cfs
S-12B	7-day Average Daily Flow					0	cfs
S-12C	7-day Average Daily Flow					0	cfs
S-12D	7-day Average Daily Flow					640	cfs
S-333	7-day Average Daily Flow					637	cfs
S-333N	7-day Average Daily Flow					633	cfs
S-334	7-day Average Daily Flow					0	cfs
S-12s Total	7-day Average Daily Flow					640	cfs
S333 + S333N - S334 <sup>1</sup>	7-day Average Daily Flow					1269	cfs
Total Flow to ENP	7-day Average Daily Flow					1909	cfs
Meteorological Data							
<u>Forecasted</u>		From	1/1/2022	to	1/7/2022	<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitative Precipitation Forecast (QPF)						0.17	in
3AS3WX - 7-day Total Forecasted PET						0.84	in
<u>Observed</u>		From	12/25/2021	to	12/31/2021	<u>Value</u>	<u>Unit</u>
WCA-3 7-day Total Observed NEXRAD Rainfal	I					0.01	in
3AS3WX 7-day Total Observed PET						0.84	in
TTFF Application							
1 Previous week target flow (calculated with forecasted 7-day QPF and PET)					1715	cfs	
2 Previous week target flow (recalculated with observed rainfall and PET)					1702		
3 Adjustment for forecast (2-1)					-13		
4 This week calculated target flow						1649	cfs
5 This week target flow with adjustment (3 + 4)						1636	

Target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to prioritize water deliveries to NESRS first and WSRS second, subject to downstream constraints.

TTFF formula coefficients

Forecast Precipitation (β4)

1636 cfs

Regulation Schedule Stage (β6)

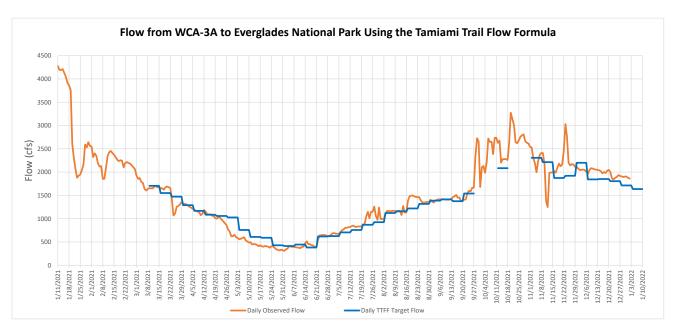
Forecast PET (β5)

Previous 7-day Average Flow (β3)

NESRS2 Stage (β2)

Average Daily Target Flow<sup>2</sup>

WCA-3A Average Stage (β1)



 $<sup>^{1}</sup>$ S-333 + S-333N - S-334 becomes zero if the sum of S-333 and S-333N is less than S-334 flow. Calculation is done daily.

 $<sup>^2</sup>$ Actual discharges may vary from target discharges because of changing hydrologic conditions.